

Table 6

Tychite Lattice Data														
Pressure	111		220		311		222		331		422		333	
(GPa)	<i>d</i> -space	σ	<i>d</i> -space	σ	<i>d</i> -space	σ	<i>d</i> -space	σ	<i>d</i> -space	σ	<i>d</i> -space	σ	<i>d</i> -space	σ
0.41(6)	8.00278	0.01878	4.91039	0.00235	4.18545	0.00098	4.00750	0.00314	3.18506	0.00098	2.83454	0.00124	2.67346	0.00
1.92(6)	8.00545	0.00938	4.88579	0.00452	4.17308	0.00199	3.97816	0.00598	3.17017	0.00237	2.81973	0.00414	2.66360	0.00
3.9(1)	7.92120	0.01119	4.84279	0.00511	4.13829	0.00224	3.94727	0.00983	3.14467	0.00248	2.78779	0.00415	2.64176	0.00
5.11(6)	7.88396	0.01087	4.82193	0.00443	4.11879	0.00211	3.93409	0.00692	3.13077	0.00198	2.78484	0.00481	2.63167	0.00
7.08(3)	7.83229	0.01130	4.78912	0.00462	4.09338	0.00172	3.91335	0.00714	3.11118	0.00191	2.76474	0.00490	2.61898	0.00
8.77(3)	7.78863	0.01138	4.77433	0.00495	4.07677	0.00140	3.90211	0.00419	3.10064	0.00157	2.75513	0.00484	2.60551	0.00
10.61(8)	7.81116	0.03870	4.76159	0.00855	4.05304	0.00168	3.88571	0.02487	3.08526	0.00223	2.74592	0.01259	2.59105	0.00
12.3(2)	7.79311	0.02522	4.80062	0.02777	4.04426	0.00321	3.88292	0.02119	3.07863	0.00374			2.58487	0.00
14(1)			4.80071	0.00945	4.08302	0.00880			3.13072	0.00946			2.56817	0.03
15.3(8)			4.79079	0.00849	4.09293	0.00543			3.12318	0.00933				
17.2(8)			4.78385	0.00801	4.09592	0.00458			3.11751	0.00846				
13.88(2)			4.78362	0.00823	4.09853	0.00450			3.12119	0.00915				
13.0(6)			4.79901	0.00697	4.10778	0.00423			3.12173	0.00813				
11.16(2)			4.80883	0.00756	4.11204	0.00427			3.15342	0.00442			2.60217	0.02
8.04(3)			4.85123	0.04129	4.07532	0.01084			3.08606	0.01807			2.60342	0.01
5.25(2)	7.77131	0.06386	4.78220	0.01285	4.08378	0.00280			3.10398	0.00346			2.61152	0.00
3.0(5)	7.90391	0.01994	4.81125	0.01285	4.11073	0.00322			3.12324	0.00452			2.62773	0.00

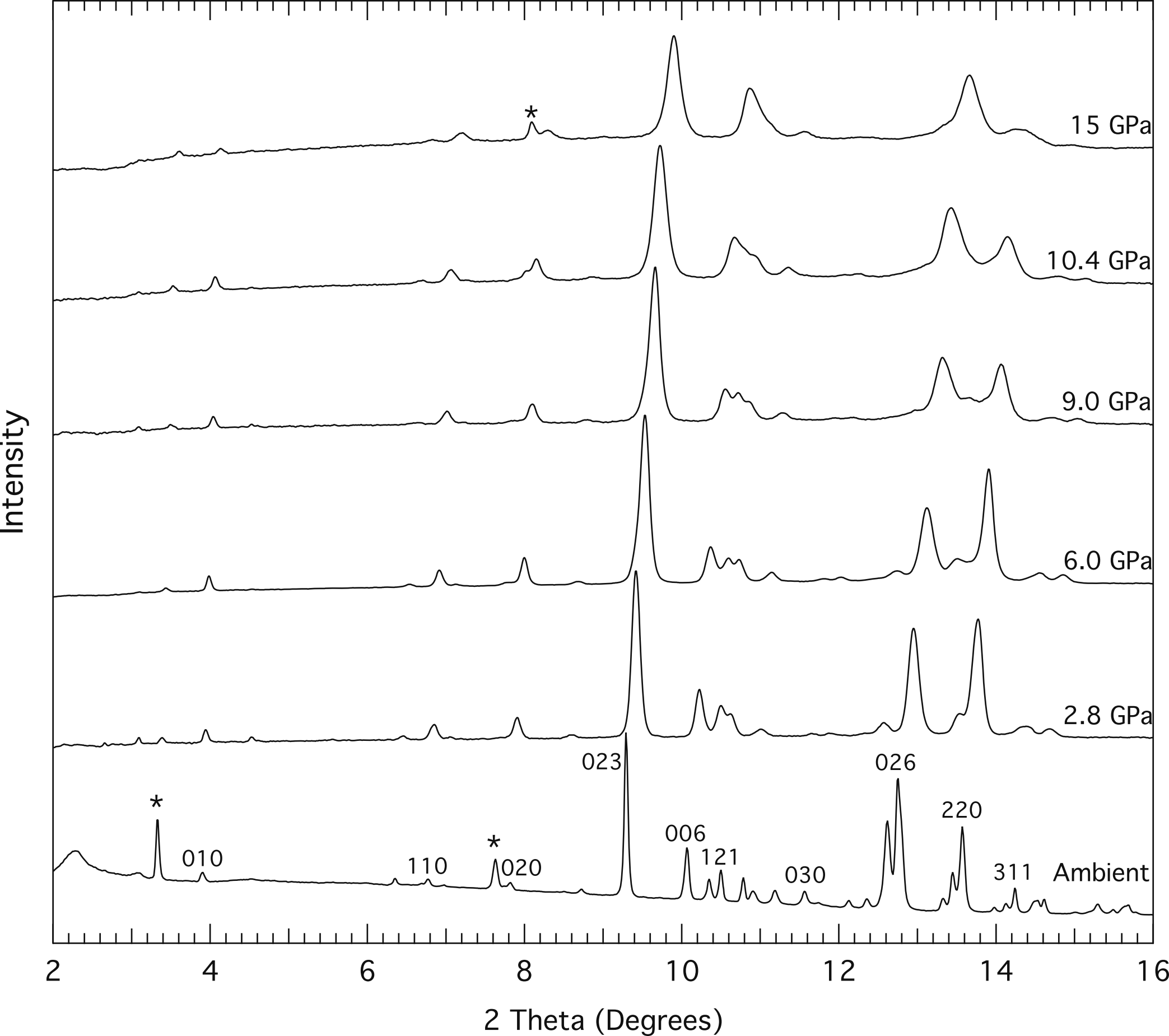
Table 7

Hanksite Lattice Data														
Pressure	002		010		013		110		020		023		006	
(GPa)	<i>d</i> -space	σ	<i>d</i> -space	σ	<i>d</i> -space	σ	<i>d</i> -space	σ	<i>d</i> -space	σ	<i>d</i> -space	σ	<i>d</i> -space	
2.8(2)	10.45417	0.04196	8.96863	0.01383	5.49522	0.01471	5.18245	0.00612	4.48668	0.00322	3.77123	0.00078	3.47456	0.0
3.7(2)	10.56266	0.08233	8.98663	0.02127	5.46315	0.01843	5.17697	0.01008	4.48784	0.00414	3.76539	0.00126	3.46905	0.0
4.6(5)	10.30519	0.11106	8.91938	0.02207	5.43543	0.03522	5.14874	0.01252	4.45565	0.00452	3.74100	0.00140	3.44602	0.0
6.0(6)	10.32345	0.03735	8.88548	0.01342	5.41964	0.00875	5.12973	0.00429	4.44292	0.00361	3.73360	0.00182	3.42639	0.0
6.7(7)	10.25783	0.05266	8.88080	0.01577	5.41178	0.01629	5.11767	0.00766	4.42917	0.00363	3.72094	0.00120	3.41697	0.0
7.1(7)	10.28014	0.05200	8.85555	0.01546	5.41213	0.01585	5.10822	0.00681	4.42227	0.00301	3.71394	0.00125	3.40805	0.0
8.1(8)	10.20269	0.04586	8.80447	0.01839	5.38270	0.01906	5.08767	0.00746	4.40487	0.00319	3.70016	0.00118	3.39153	0.0
9.0(9)	10.16812	0.04286	8.76383	0.01495	5.33646	0.01589	5.05981	0.00811	4.38275	0.00413	3.68340	0.00143	3.36573	0.0
9.8(8)	10.01506	0.03567	8.70589	0.01525	5.30762	0.01343	5.02028	0.00788	4.35458	0.00404	3.65338	0.00123	3.33141	0.0
10.4(7)	9.97903	0.03788	8.66708	0.02657	5.26639	0.01332	4.99596	0.00976	4.32656	0.00499	3.63394	0.00128	3.30615	0.0
11.5(15)	9.86523	0.04542	8.63900	0.02567	5.32085	0.01427	4.97757	0.01206	4.31243	0.00695	3.62353	0.00149	3.29577	0.0
12.4(15)	9.89261	0.03634	8.61824	0.02837	5.29435	0.01295	4.96438	0.01039	4.30207	0.00747	3.61187	0.00138	3.28203	0.0
13.0(15)	9.85926	0.03589	8.61316	0.02792	5.23406	0.01209	4.95120	0.01036	4.27748	0.00740	3.60205	0.00145	3.26976	0.0
14(2)	9.82807	0.03668	8.58171	0.02999	5.21702	0.01321	4.92709	0.00975	4.28190	0.00763	3.59430	0.00138	3.27495	0.0
15(2)	9.91671	0.03843	8.62786	0.03264	5.24199	0.01289	4.94435	0.01155	4.27967	0.00709	3.60059	0.00190	3.27573	0.0
13(2)	9.83901	0.05122	8.57139	0.04051	5.27956	0.01505	4.95821	0.01309	4.29046	0.00798	3.60041	0.00212	3.28040	0.0
12(2)	9.88468	0.04270	8.63566	0.03189	5.25709	0.01351	4.97549	0.01145	4.30200	0.00863	3.61042	0.00169	3.28687	0.0
12(2)	9.97410	0.05221	8.66532	0.03709	5.25877	0.01454	4.98458	0.01411	4.31850	0.00973	3.61675	0.00247	3.29400	0.0
11(2)	9.92607	0.05013	8.57521	0.03271	5.22856	0.01502	4.97864	0.01190	4.30784	0.00971	3.62091	0.00251	3.30281	0.0
9.7(19)	9.96409	0.04778	8.70039	0.03288	5.26879	0.01476	4.99810	0.01354	4.33279	0.00659	3.63754	0.00192	3.31793	0.0
8.4(16)	10.03191	0.03937	8.68767	0.03012	5.27333	0.01288	5.00897	0.01245	4.34346	0.00668	3.64796	0.00174	3.33670	0.0
7.2(14)	10.06188	0.04745	8.73520	0.03141	5.30356	0.01414	5.02554	0.00955	4.36210	0.00800	3.65998	0.00175	3.34017	0.0
6.0(12)	10.11346	0.04918	8.73864	0.03223	5.32458	0.01303	5.04345	0.01054	4.37157	0.00690	3.67669	0.00171	3.35576	0.0
5(1)	10.15868	0.04669	8.76372	0.03395	5.36851	0.01947	5.06919	0.01237	4.40194	0.00968	3.69215	0.00218	3.36697	0.0
4.0(8)	10.14322	0.03362	8.78124	0.02795	5.34085	0.01401	5.08606	0.01066	4.41500	0.00863	3.70479	0.00161	3.38310	0.0
3.5(8)	10.14328	0.04988	8.80746	0.03789	5.43294	0.01614	5.08442	0.00927	4.41794	0.00759	3.71285	0.00171	3.40087	0.0
2.9(6)	10.24210	0.05099	8.87671	0.03634	5.42191	0.01525	5.11166	0.01066	4.43002	0.00849	3.72335	0.00179	3.40253	0.0
Pressure	120		121		122		017		026		220			
(GPa)	<i>d</i> -space	σ	<i>d</i> -space	σ	<i>d</i> -space	σ	<i>d</i> -space	σ	<i>d</i> -space	σ	<i>d</i> -space	σ		

2.8(2)	3.38413	0.00290	3.34014	0.00200	3.23144	0.00473	2.82887	0.00281	2.74780	0.00063	2.58920	0.00102
3.7(2)	3.38390	0.00415	3.33895	0.00348	3.22039	0.00680	2.82652	0.00974	2.74115	0.00114	2.58477	0.00131
4.6(5)	3.36351	0.00432	3.31997	0.00515	3.19384	0.00573	2.81243	0.01733	2.72242	0.00144	2.57008	0.00159
6.0(6)	3.35323	0.00259	3.31297	0.00344	3.18927	0.00218	2.80374	0.00361	2.71098	0.00113	2.56475	0.00225
6.7(7)	3.34500	0.00307	3.30113	0.00344	3.17695	0.00441	2.79584	0.00618	2.70348	0.00128	2.55715	0.00199
7.1(7)	3.33745	0.00285	3.29595	0.00358	3.17086	0.00395	2.78044	0.00553	2.69846	0.00120	2.55209	0.00153
8.1(8)	3.32762	0.00301	3.28560	0.00366	3.15842	0.00408	2.76978	0.00851	2.68715	0.00128	2.54281	0.00168
9.0(9)	3.31642	0.00295	3.26928	0.00494	3.14260	0.00490	2.74656	0.00688	2.66935	0.00160	2.53160	0.00176
9.8(8)	3.29178	0.00440	3.25084	0.00489	3.12245	0.00351	2.75189	0.00425	2.65227	0.00146	2.51583	0.00190
10.4(7)	3.24570	0.00535	3.19748	0.00633	3.10669	0.00570	2.71074	0.00453	2.63913	0.00153	2.50480	0.00231
11.5(15)	3.26252	0.00548	3.21476	0.00500	3.10070	0.00524	2.69527	0.00438	2.62746	0.00173	2.49404	0.00243
12.4(15)	3.22175	0.00529	3.21152	0.00770	3.09210	0.00539	2.68325	0.00393	2.62092	0.00162	2.48330	0.00256
13.0(15)	3.23916	0.00472	3.17981	0.00803	3.07638	0.00606	2.67881	0.00475	2.61391	0.00169	2.48328	0.00291
14(2)	3.23816	0.00486	3.18711	0.00489	3.07246	0.00445	2.67412	0.00508	2.60726	0.00185	2.47993	0.00301
15(2)	3.23056	0.00551	3.18535	0.00805	3.07744	0.00559	2.68028	0.00516	2.61505	0.00244	2.47892	0.00357
13(2)	3.22893	0.00530	3.19004	0.00589	3.07858	0.00560	2.68203	0.00557	2.61183	0.00217	2.47981	0.00363
12(2)	3.24331	0.00597	3.19673	0.00498	3.08980	0.00580	2.66997	0.00419	2.61907	0.00195	2.48540	0.00332
12(2)	3.22513	0.00674	3.19244	0.00772	3.09025	0.00566	2.67855	0.00597	2.62505	0.00276	2.49191	0.00462
11(2)	3.23939	0.00647	3.21320	0.00721	3.08321	0.00680	2.69048	0.00727	2.62642	0.00252	2.50082	0.00511
9.7(19)	3.25357	0.00610	3.20612	0.00540	3.11700	0.00518	2.69046	0.00454	2.63843	0.00199	2.50947	0.00287
8.4(16)	3.27339	0.00516	3.23572	0.00599	3.10869	0.00508	2.71973	0.00482	2.64589	0.00189	2.51200	0.00282
7.2(14)	3.28285	0.00501	3.24313	0.00567	3.12762	0.00532	2.72267	0.00475	2.65719	0.00183	2.52092	0.00306
6.0(12)	3.29656	0.00581	3.25031	0.00604	3.13713	0.00536	2.74073	0.00525	2.66822	0.00165	2.53056	0.00296
5(1)	3.31472	0.00750	3.26339	0.00560	3.15009	0.00689	2.73630	0.00780	2.67572	0.00226	2.53821	0.00347
4.0(8)	3.34456	0.00500	3.28945	0.00623	3.18194	0.00824	2.76111	0.00475	2.69186	0.00150	2.54728	0.00284
3.5(8)	3.34252	0.00519	3.29568	0.00789	3.16675	0.00545	2.77283	0.00518	2.69486	0.00152	2.55195	0.00282
2.9(6)	3.35588	0.00713	3.29973	0.00701	3.18006	0.00682	2.77569	0.00747	2.70340	0.00155	2.55516	0.00296

Table 8

Ambient Hanksite Lattice Data		
hkl	<i>d</i> -spacing	σ
002	10.6435	0.0653
010	9.1051	0.0225
013	5.5915	0.0122
110	5.2450	0.0056
020	4.5444	0.0052
023	3.8236	0.0013
006	3.5386	0.0020
120	3.4333	0.0018
121	3.3883	0.0011
115	3.2968	0.0029
122	3.2601	0.0021
030	3.0742	0.0015
116	2.9321	0.0013
017	2.8777	0.0013
026	2.7884	0.0007
220	2.6217	0.0004
311	2.5006	0.0009
043	2.1610	0.0007
231	2.0740	0.0005
038	1.9928	0.0003
046	1.9104	0.0004



Log(Intensity)

